125-11.CD 26

NEWMAN

PATENT NO. 2,809,474 OTHER PATENTS APPLIED FOR

WHEEL DRESSERS

FOR ALL MODELS OF GRINDERS

SAVES TIME • LABOR • MATERIAL

- LOW COST from the STURDY, SIMPLE DESIGN
- AT LEAST 2/3 MORE GRINDING PER TRIM
- EQUIPPED WITH SPECIALLY DEVELOPED:
  - *a) Sealed Ball Bearings*
  - *b) Abrasive Wheels*
  - *c) Steel Cutters*
- SHARP, COOL GRINDING *ALWAYS*
- NO FLYING DEAD GRAIN
- NO MORE BURN CHECKS

MANUFACTURED BY: L. NEWMAN® 1001 - 24th STREET - OAKLAND 7, CALI

Distributed by:

Machine Tool Exhibition
1960

125/11.03

LET'S TALK GRINDING . . . .

First, let's talk common sense!

A butcher who consistently tries to slice meat with a dull knife or a baker who similarly slices the bread with a dull blade, or even a stenographer who attempts to transcribe blurred and blotted notes, soon find themselves without a job or even, in some cases, out of business—and so on down the line.

However, you can walk into countless machine shops and find machinists grinding precious steel with dull, clogged-up grinding wheels, or dressing these precious grinding wheels with dull tools—but the machinist doesn't lose his job, nor does the machine shop go out of business. This seems to be the exception to the rule. They just go on spending good money by wasting precious labor, purchasing more grinding wheels, more steel, etc., and adding headache to heartache. They blame the grinding wheels, the steel and even, in some cases, the heat-treater for dies falling apart, when all the time the dies have fallen apart because the steel which went into the dies had minute checks invisible to the naked eye, caused by the friction in the grinding due to dull, clogged-up grinding wheels. It's sad, but true.

Now, mind you, I wasn't always this smart either. I've owned and operated a machine shop for 35 years and ruined many hundreds or even thousands of dollars worth of steel and paid for lots of unnecessary labor before I decided to look into this grinding problem.

I experimented with all types of grinding wheels until I eventually felt that the trouble must be in the dressing. I studied and experimented until I came up with a prototype of the Model No. 1 L. NEWMAN Dresser. It was crude, but it did the work. I pulled out every discarded grinding wheel I had in the shop—some of them over 25 years old. We dressed the wheels and I just wish every one of you could have seen the sharp cutting edge or the hills and valleys we got in those old wheels. My men began to wonder how we ever got along without the dresser. I had no idea of putting this little dresser on the market. It was for our own shop, but since our shop is known for specialty design, etc., we have many outstanding superintendents and manufacturers coming in for consultation. We showed the dresser and received several orders right then and there. I couldn't say "no," but was somewhat beside myself as to what to charge for the dresser. I couldn't ask them to pay for a custom-made tool, so, after much deliberation and more experimenting, I decided to put the dresser on the market.

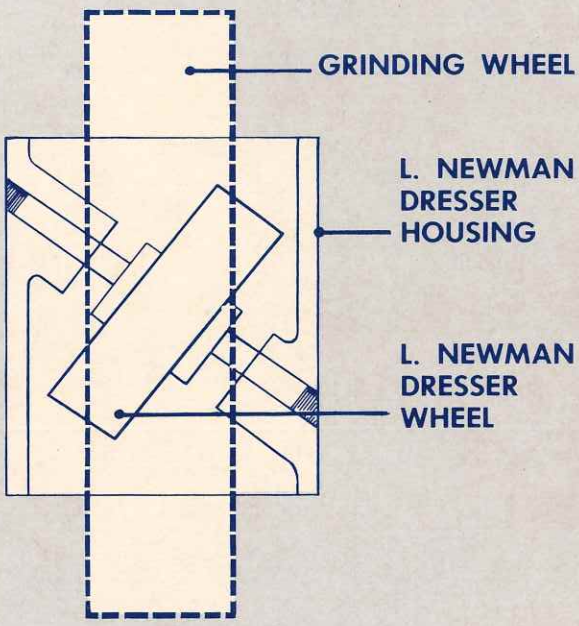
Soon, shop foremen, engineers, machinists and superintendents were telling us of their success with this little dresser. The comments were so exciting and so favorable that we went right ahead and developed other models for use on pedestal, cylindrical, surface and universal types of grinders.

We have found and have been told many times over that with the L. NEWMAN Grinding Wheel Dressers, it is possible to actually get from 2400 to 3000 successful cuttings, compared with other methods of dressing where it has been possible to achieve only from 800 to 1000 cuttings, and not always successfully.

However, even though it is common knowledge that this grinding problem exists in far too many machine shops, we still find "Doubting Thomas's." There just seems to be a natural tendency to overlook the simple cures in life. Being a simple, humble person myself, I look into the simple cures and devise the most simple, sturdy and efficient tools possible, and therein is the answer to the question so often asked, "How did you ever devise such a simple little tool to do this important job?"

IMPORTANT

By placing the Dresser Housing parallel, the Dresser Wheel is positioned at a Tangential Angle with the Grinding Wheel.



TANGENTIAL ANGLE PROVIDED ON ALL L. NEWMAN DRESSERS. The Dresser Housing should be placed parallel with the Grinding Wheel.

L. NEWMAN

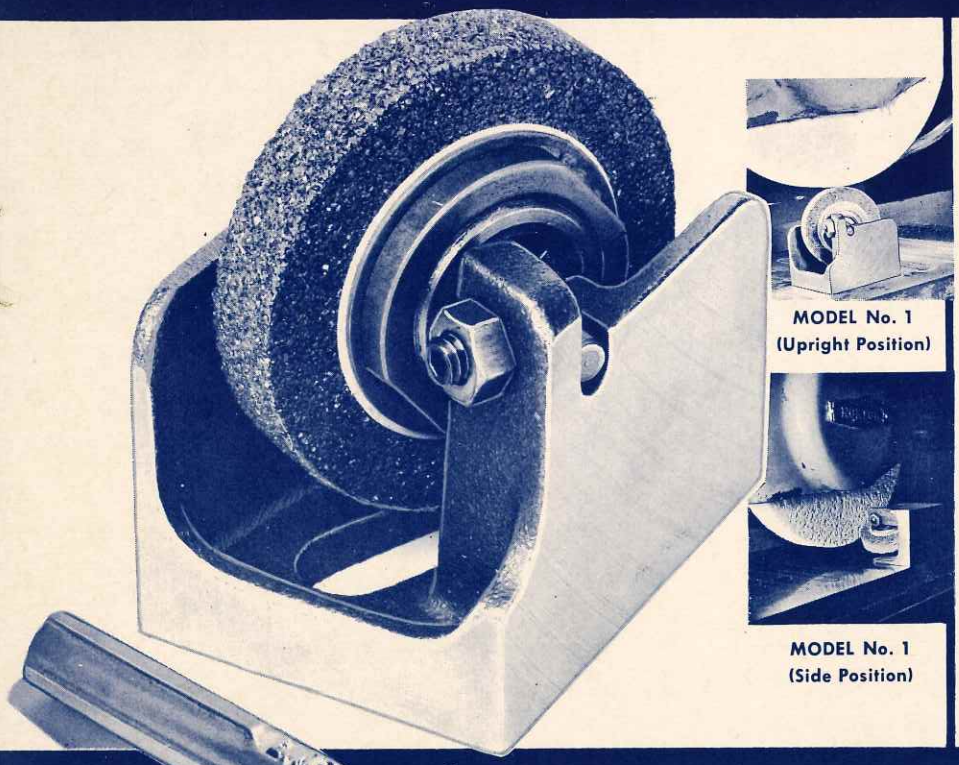
DIAMOND WHEEL DRESSING

A Special Abrasive Wheel developed by L. NEWMAN for Diamond Wheel Dressing: (ORDER BY NO'S. N-D1-46 or N-D2-46)

Cleans Bond **Exposes Diamonds**
Trues Wheel **Reduces Wear**

⅔ More Grinding Per Trim

SURFACE DRESSERS



MODEL No. 1
(Upright Position)

MODEL No. 1
(Side Position)

MODEL No. 1

Model No. 1 is designed for the Surface Grinder with or without a Magnetic Chuck. To dress with this model, place the dresser parallel with the grinding wheel. The Dresser can be used in any position and will dress any type of wheel; but for best results, the grinding wheel should not exceed 18 to 20" and not more than 3" in width. Use approximately .001 of the down-feed on the wheel to be dressed.

Interchangeable with any L. NEWMAN *abrasive wheel.*

MODEL No. 4
With Abrasive Wheel

MODEL No. 5
With Steel Cutters

MODEL No. 4

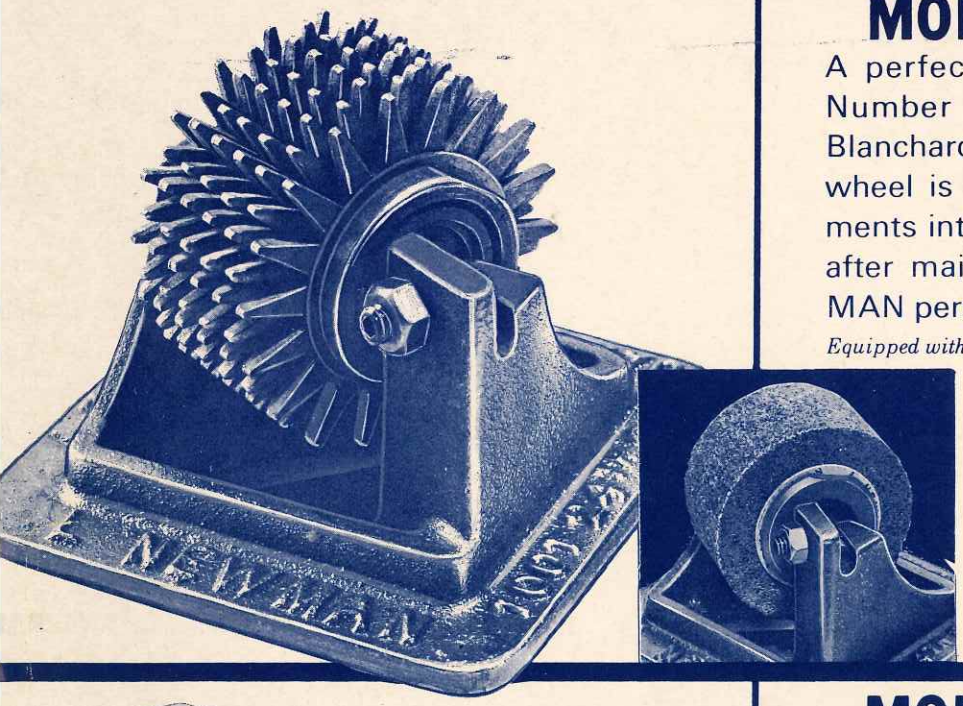
A CAST ALUMINUM HAND - TYPE DRESSER for use on Bench or Pedestal Grinders. This model can also be used on abrasive belts and discs, etc. Interchangeable with any of the L. NEWMAN Abrasive Wheels or the L. NEWMAN Steel Cutters (N-S-C-5). Please specify when ordering.

MODEL No. 5

A CAST ALUMINUM HEAVY DUTY DRESSER. For foundry and heavy grinding. Interchangeable with N-S-C-11 cutters (Shown at Left), L.NEWMAN Abrasive Wheels N-R-2 or N-M-3. Please specify when ordering.

L. NEWMAN

HAND-TYPE DRESSERS

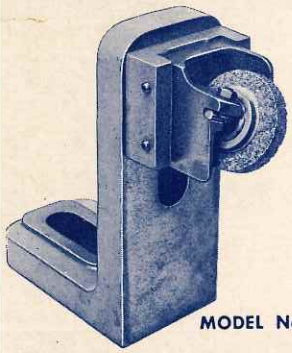


MODEL No. 7

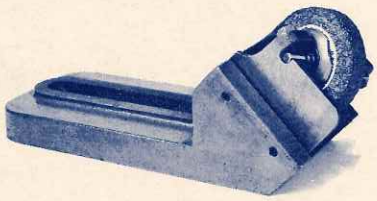
A perfect trim for new segments! Number 7 is placed right on your Blanchard's magnetic chuck and the wheel is positioned to bring all segments into contact. Trueness is thereafter maintained with your L. NEWMAN permanent-type Dresser.

Equipped with specially developed steel cutters. (N-S-C-11)

Use N-M-3 or N-R-2 wheel for that extra fine finish on your finer grit segments.



MODEL No. 2

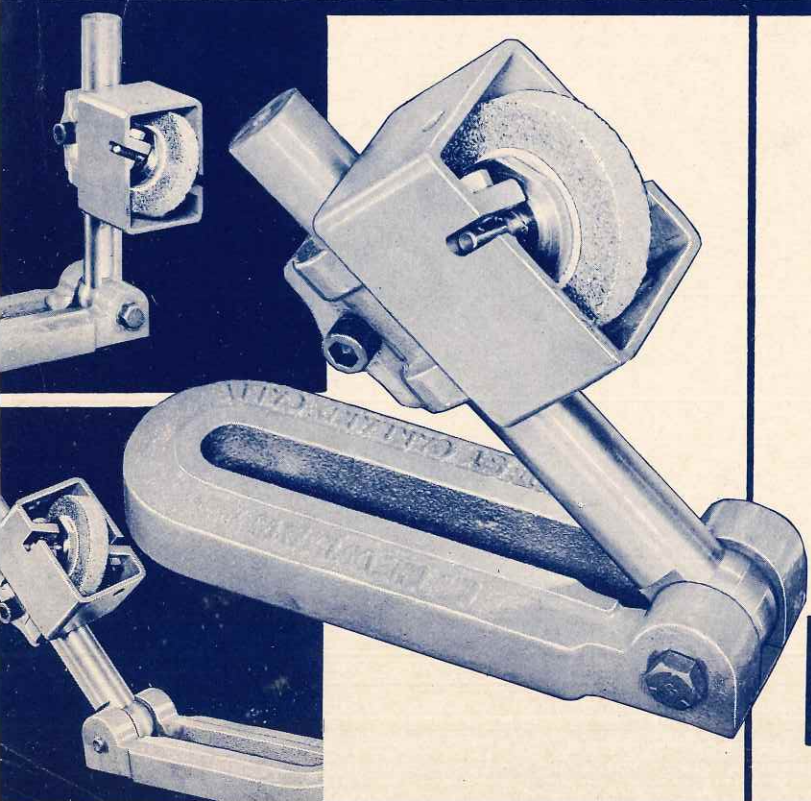


MODEL No. 3

MODELS No. 2 & No. 3

Models No. 2 and No. 3 are designed for dressing and trueing the grinding wheels on Cylindrical Grinders and are equipped with slots for bolting down on grinder or can be used on magnetic chuck. Model No. 2 has vertical stand and Model No. 3 has horizontal base for flat use.

Interchangeable with any L. NEWMAN *abrasive wheel.*



MODEL No. 6

Model No. 6 is a Universal Dresser. It is versatile and flexible and can be bolted down for Cutter Grinders or Cylindrical Grinders or can be used on the Magnetic Chuck for surface grinding. The shaft can be tipped all the way forward or backward and the dresser wheel unit can be adjusted up or down or made to swivel on the shaft depending upon the angle desired for dressing or trueing the grinding wheel.

Interchangeable with any L. NEWMAN *abrasive wheel.*

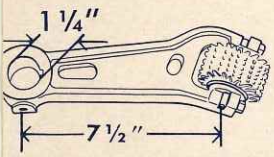
L. NEWMAN

PATENT NO. 2,809,474 OTHER PATENTS APPLIED FOR

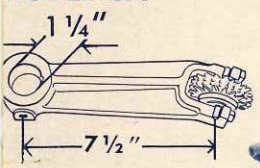
WHEEL DRESSERS FOR BLANCHARD

All these models are specially designed for Blanchard and similar grinders. Specify center to center measurements and shaft size and designate model number when ordering dressers for your grinder. Special dressers also made to fit your specifications.

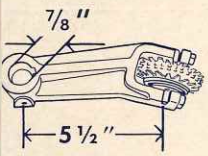
MODEL 8



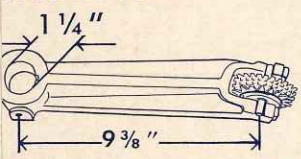
MODEL 8A

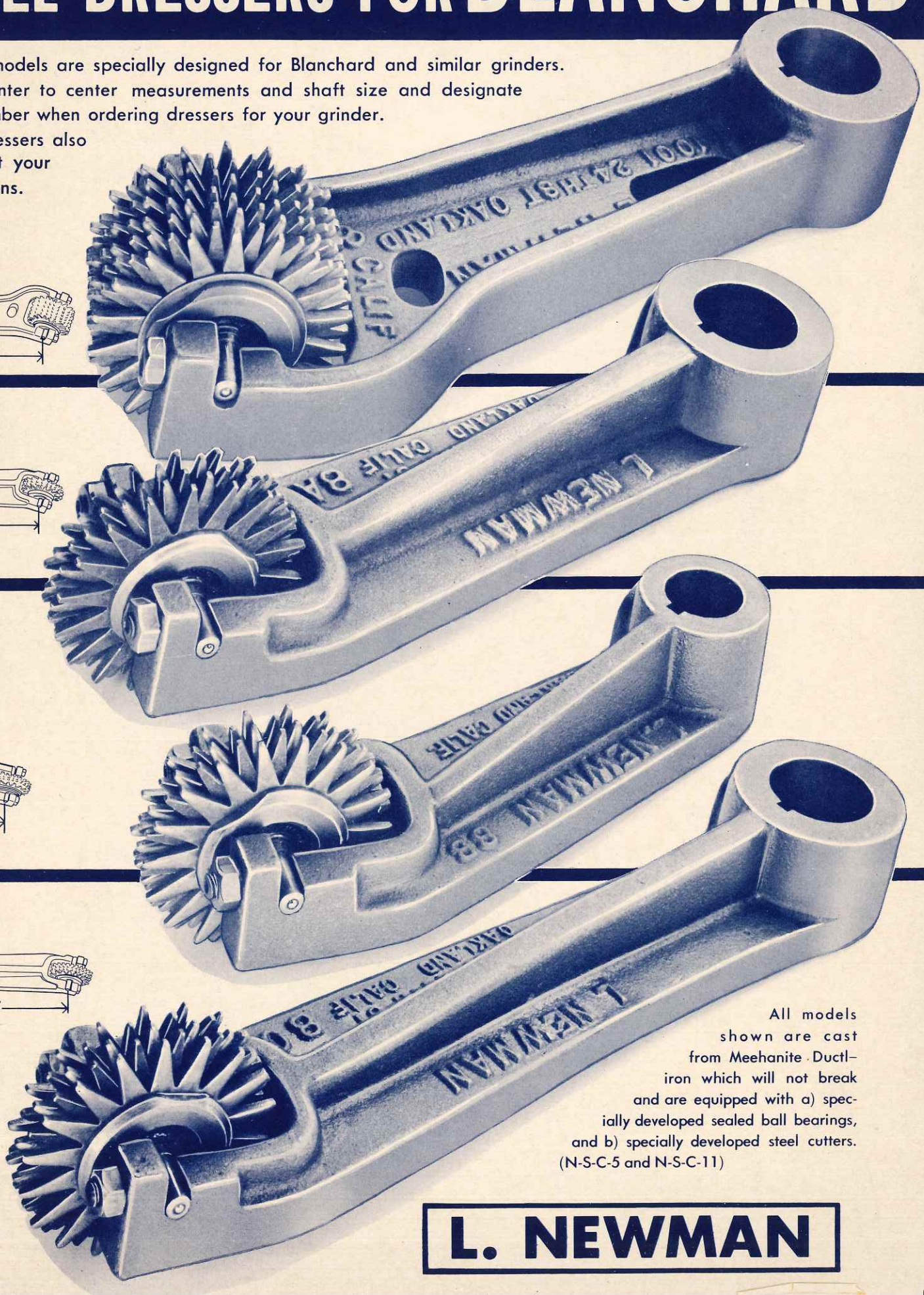


MODEL 8B



MODEL 8C

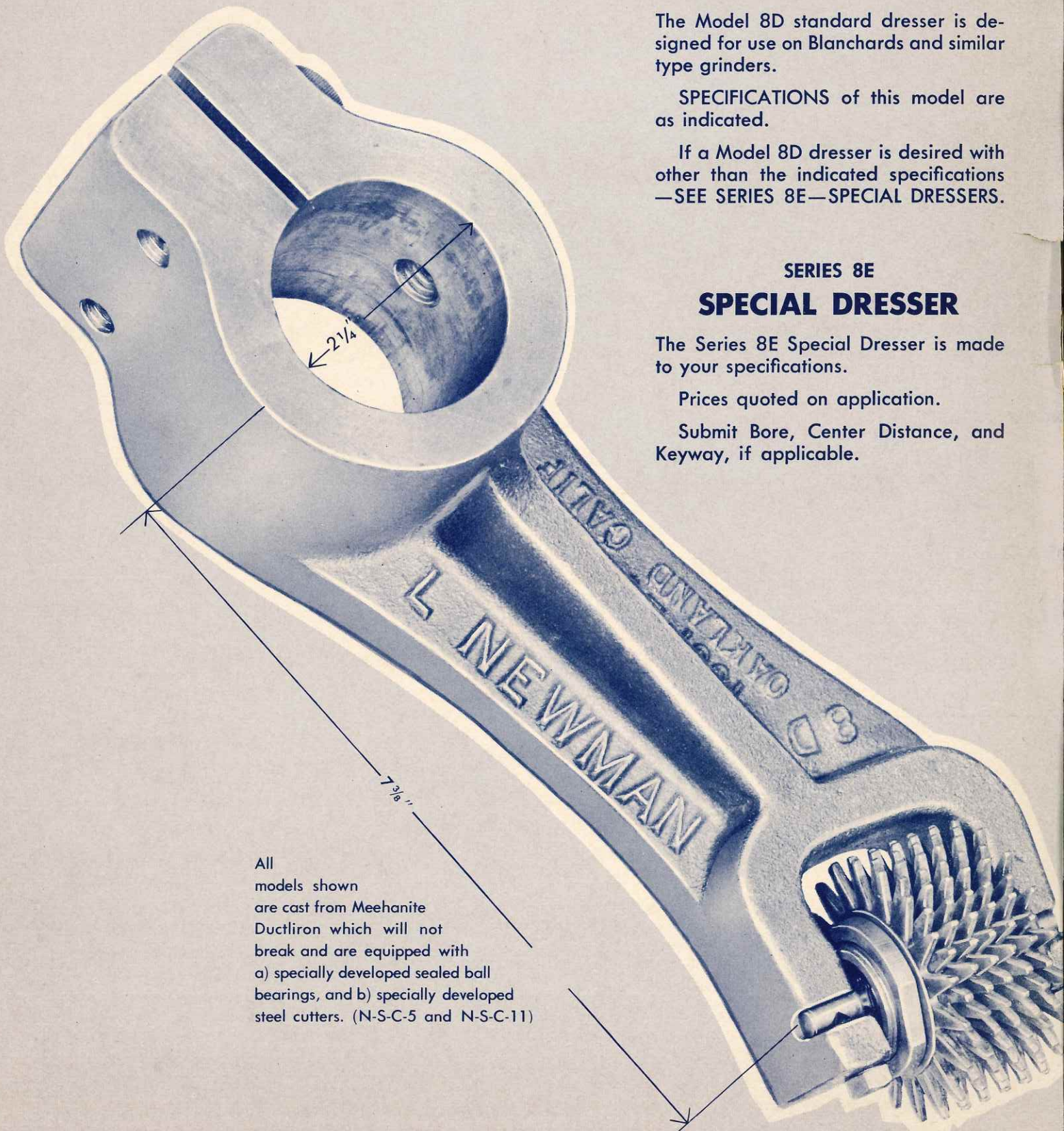




All models shown are cast from Meehanite Ductile iron which will not break and are equipped with a) specially developed sealed ball bearings, and b) specially developed steel cutters. (N-S-C-5 and N-S-C-11)

L. NEWMAN

. . . . . AND SIMILAR TYPE GRINDERS



All models shown are cast from Meehanite Ductliron which will not break and are equipped with a) specially developed sealed ball bearings, and b) specially developed steel cutters. (N-S-C-5 and N-S-C-11)

MODEL 8D

STANDARD DRESSER

The Model 8D standard dresser is designed for use on Blanchards and similar type grinders.

SPECIFICATIONS of this model are as indicated.

If a Model 8D dresser is desired with other than the indicated specifications —SEE SERIES 8E—SPECIAL DRESSERS.

SERIES 8E

SPECIAL DRESSER

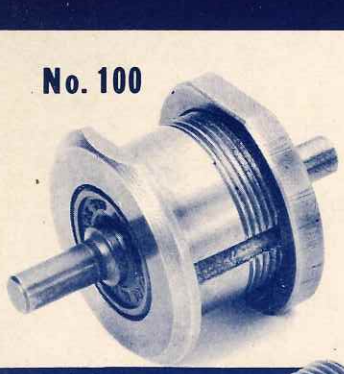
The Series 8E Special Dresser is made to your specifications.

Prices quoted on application.

Submit Bore, Center Distance, and Keyway, if applicable.

REPLACEMENT PARTS

ORDE
PARTS
NUMBE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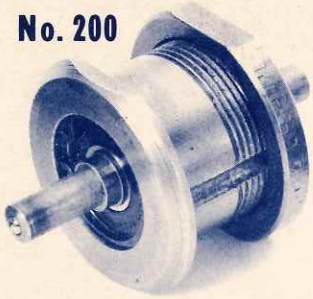
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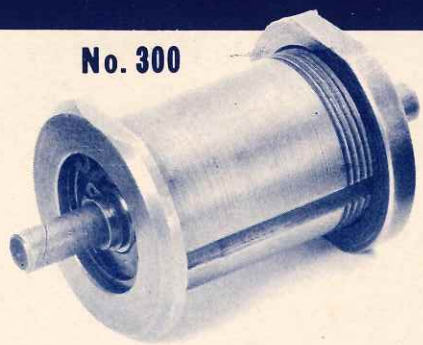
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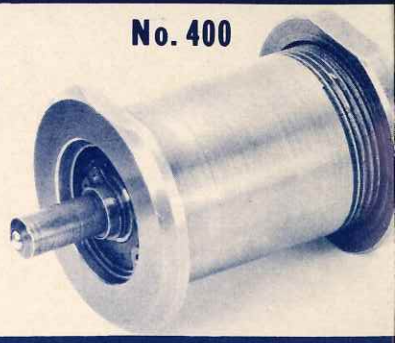
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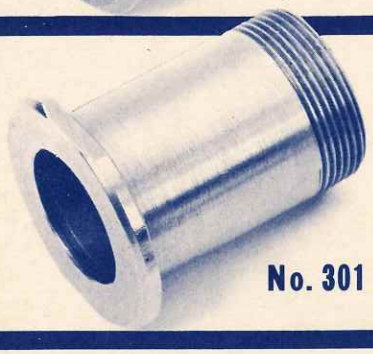
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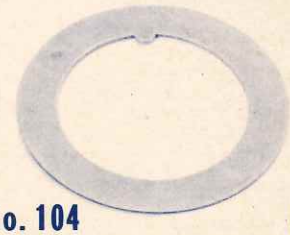
No. 101

No. 103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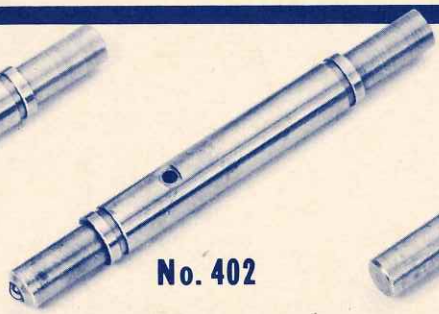
No. 201

No. 302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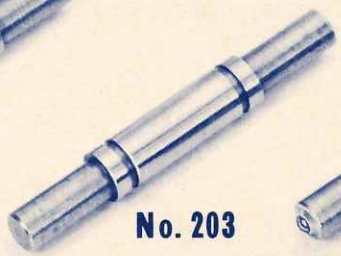
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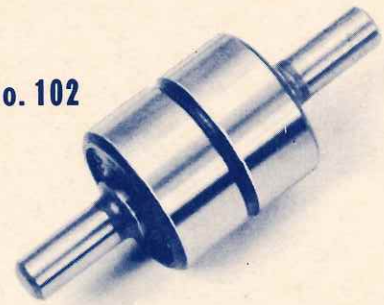
No. 202


No. 102

No. 204

No. 303

No. 205

No. 206

ORDER YOUR **L. NEWMAN** REPLACEMENT WHEELS BY NUMBER

For Models **1**, **2**, **3**, **4** and **6** only

N-R-14 . . . (for rough finish)
N-R-20 . . . (for all-purpose)
N-M-24 . . . (for medium finish)
N-F-36 . . . (for fine finish)
N-S-C-5 . . . (set of 5 steel cutters)

For Diamond Wheel Dressing Only

N-D1-46 . . . (regular finish)
N-D2-46 . . . (finer finish)

FOR HEAVY-DUTY DRESSER— For Models **5** and **7** only

N-S-C-11 . . . (set of 11 steel cutters)

N-R-2 Newman abrasive wheels (for rough finish)
N-M-3 Newman abrasive wheels (for smooth finish)

ALWAYS REFER TO PRICE LIST

Here Are Some of the L. NEWMAN® Grinding Wheel Dresser Users

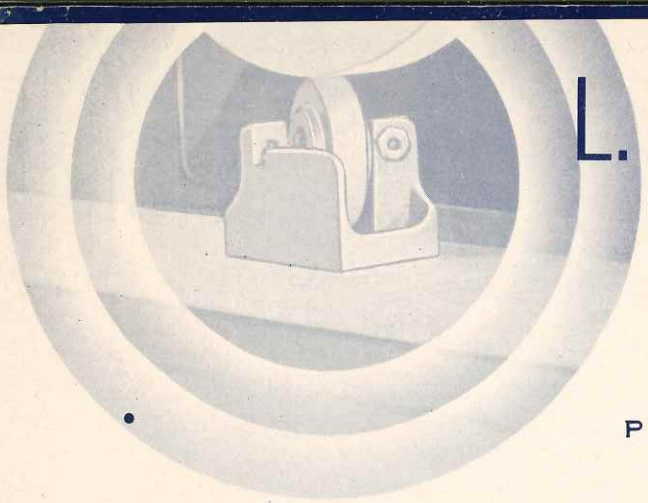
Abbe Engineering Co.
Acme Machine Company
Acme Tool & Mfg. Co.
Alameda Naval Air Base
Altens Foundry & Machine Works, Inc.
American Can Company
American Machine Works
August Manufacturing Co.
American Motors Co.
American Radiator & Standard Sanitary
Andrew Young & Son
Aura Manufacturing Co.
Autoyre Company
Basalt Rock Company, Inc.
Beaver Rotary File Co.
Bellmore-Johnson Tool Co.
Benrus Watch Company
Botwinik Brothers
Bristol Spring Mfg. Co.
Bristol Machine Tool Co., Inc.
The Carpenter Steel Co.
Cartwright & Son, Inc.
B. J. Tool Company
C. & H. Machine & Engineering Co.
Central Steel & Wire Company
Ceco Steel Products Corp.
Chase Brass & Copper Company
Chicago Telephone Supply Corp.
Cleveland Twist Drill Co.
Continental Can Company, Inc.
Conn. Mechanical Industries, Inc.
Connecticut Mechanical Industries, Inc.
Continental Foundry & Machine Co.
Crawler Parts Company
Dictaphone Corporation
East Bay Municipal Utility District
Eastern Manufacturing Co.
Einer B. Hanson Co., Inc.
Eldorado Tool & Mfg. Corp.
A. Finkl & Sons Co.
Flywheel Service & Specialty Co.
Food Machinery and Chemical Corp.
Friden Calculating Machine Co., Inc.
Gantner Screw Products Inc.
Geltz Machine Co.
General Grinding Company
General Electric Company
General Box Distributors
General Engineering Co.
Gerry Tool Company
Greist Manufacturing Co.
A. C. Gilbert Company
Hamden Tool Company
Hammond Instrument Company
Hartford Empire Mfg. Co.
H. B. Ives Company
Heald Machine Company
Heppenstall Company
E. Horton & Son Co.
Hamilton-Standard Co.
Harris Manufacturing Company
Harbor Machine Company
Highland Machine & Grinding Co.
Hobson & Motzer
Holt Tool & Die Co.
Hormiguero Central Corporation
Hovey Machine Products
Hunter Douglas Corporation
Illinois Tool Works
International Harvester Company
International Business Machines, Inc.
J-B-T Instrument, Inc.
Oliver M. Johnson
Kennametal, Inc.
L. A. Young Spring & Wire Corp.
Lakeview Manufacturing Company
Landers, Frary & Clark
Laser Tool Company
Lundquist Tool & Mfg. Co.
Machine Tooling, Inc.
Marchant Calculating Machine Company
Mare Island Naval Shipyard
Martin Grinding and Machine Works, Inc.
Jas. H. Matthews & Co.
Mason, Shaver & Rhoades
Mitrametric Company
Mill-All Company
Mills Tool Works
Motor Products Corporation, Deepfreeze Appliance Division
National Tool & Die Co., Inc.
New York Naval Shipyard
Nickerson Company, Inc.
Pacific Can Company
Packard Tool & Die Co.
Plane Parts, Inc.
Peck Spring Company
Picker X-Ray Corporation
P. & F. Corbin Division
Power Mfg. Corp.
Plume & Atwood
Radio Corporation of America
Rockwell Manufacturing Company
Royal Typewriter Co., Inc.
Rudiger-Lang Co.
San Jose United School District
Savage Arms Corp.
Schlage Lock Company
Scovill Mfg. Co.
Shamut Tool & Die Corp.
Shwader Bros., Inc.
Sierra Manufacturing Company
Solar Tool Co.
Somers, Fitler & Todd Co.
Smith & Wesson
Snider Lumber Co.
A. G. Spalding & Sons, Inc.
Springfield Armory
Standard-Knapp
Standard Electric Time Co.
Stacy Machine Works, Inc.
Standley Tool Company
State of California, Folsom Prison
Supreme Tool Company
Sullivan-Becker Machine Co.
Tippett Jig Bore Company
Titeflex, Inc.
Tool Specialty Co.
Tydeman Machine Shop
Universal Tool Company, Inc.
United States Vanadian Company
Universal Electric Western Co.
United Air Lines
University of California
Vanco Machine & Tool, Inc.
Varsity Mfg. Co., Inc.
Vedovelli, Inc.
Vendorlator Manufacturing Co.
Wagner & Pigozzi
Waltham Machine Works
Wallace Barnes Company
F. W. Ward Company
The Warner & Swasey Co.
Waterbury Tool Company
West Coast Saw & Knife Co.
Western Washer & Stamping Co.
Westinghouse Electric Corp.
Wiremold Company
Worcester Engineering & Machine Co.
Worcester Tool & Die Co.
Wooldridge Manufacturing Co.

Manufactured by:

L. NEWMAN®

1001 - 24th STREET - OAKLAND 7, CALIFORNIA **TEmplebar 2-5523**

PATENT NO. 2,809,474 OTHER PATENTS APPLIED FOR



L. NEWMAN® tool, die & machine works

1001-24th STREET • OAKLAND 7, CALIFORNIA
TEmplebar 2-5523 • TEmplebar 2-5215

PRICE LIST

DRESSERS

Model #1...$15.50
Model #2...$35.00
Model #3...$35.00
Model #4...$15.50
Model #5...$17.50

Model #6...$42.50
Model #7...$17.50
Model #7A..$17.50
Model #8...$22.50

Model #8A...$20.50
Model #8B...$18.50
Model #8C...$25.50
Model #8D...$40.00
Series #8E..on request

WHEELS/CUTTERS

N-R-14
N-R-20
N-F-36
N-M-24
N-S-C-5
——— $1.35

N-D1-46
N-D2-46
——— $2.40

N-R-2
N-M-3
——— $2.50

N-S-C-11 ——— $2.70

REPLACEMENT PARTS

Assembly Unit #100

101 - Housing
102 - Bearing
103 - Lock Nut
104 - Washer

Assembly Unit #200

101 - Housing
103 - Lock Nut
104 - Washer
201 - Housing Lock Ring
202 - Shaft (w/Greaser)
203 - Shaft (w/o Greaser)
204 - Bearing (Set of 2)
205 - Spacer
206 - Shaft Lock Ring

Assembly Unit #300

103 - Lock Nut
104 - Washer
201 - Housing Lock Ring
204 - Bearing (Set of 2)
206 - Shaft Lock Ring
301 - Housing
302 - Shaft (w/o Greaser)
303 - Spacer

Assembly Unit #400

103 - Lock Nut
104 - Washer
201 - Housing Lock Ring
204 - Bearing (Set of 2)
206 - Shaft Lock Ring
301 - Housing
303 - Spacer
402 - Shaft (w/Greaser)

PARTS PRICE LIST

100.....$9.00
101..... 4.25
102..... 4.00
103..... .75
104..... .10

200.....$11.55 (w/o Greaser)
200..... 11.95 (w/Greaser)
201..... .35
202..... 1.40
203..... 1.00
204..... 4.50
205..... .15
206..... .10

300.....$13.30
301..... 5.50
302..... 1.40
303..... .25

400.....$13.70
402..... 1.80

Prices are FOB Oakland, California.

Manufacturers of L. NEWMAN GRINDING WHEEL DRESSERS

DESIGNING • TOOLING • PRODUCTION • METAL STAMPING